



Ø BEAT



COLO. SPRINGS.
COLORADO

D E C E M B E R 1 9 7 6

T H I S Z E R O B E A T I S E A R L Y . . .

BECAUSE Bart WAØYOH needs our reservations for the Christmas dinner by December 3. It will be at the Peterson Field NCO Club on December 8, with a combo, dancing, and for dinner a choice of 8 oz. fillet for \$4.75 or prime rib for \$6.75. Not too shabby. So for Pete's sake call him right away and let him know--635-1632. (There will be no regular meeting this month.)

FCC COMES TO PUEBLO: Anyone interested in upgrading their present amateur license or anyone wanting to take the amateur test, technician through advanced, can do so January 28 and 29, 1977. As it stands now the test will be given at U.S.C.

There are two requirements: 1) all applications [and \$4 fees] must be in by January 1; and 2) there must be 30 or more applications for the FCC to come at all. The 610 forms are available from Don WØNIT or Ollie WAØWAD, and sent to Don along with the \$4.00 FCC filing fee. [The forms can also be gotten from me TAQ, but not the filing fee--sorry.]

PUEBLO GRID LEAK

OCTOBER MINUTES: The meeting was called to order (relatively speaking) by new president Mike Stansberry KØTER at 7:40 pm in the usual place with 49 members and guests attending (including a handful from the new novice classes). As introductions were made, WBØTLP and WBØTLQ announced passing their general tests that morning, and WBØTRP receiving his technician in the mail. [And a day or two after the meeting Bud WBØTIB got his general in the mail.] So congratulations on all the fine work.

Bart WAØYOH passed out forms to gather information from hams in El Paso and Teller Counties for use in the emergency resource bank. If you wish to register your ability or inability to help with emergency stuff, contact Bart at 635-1632. At the same time you can register your vote for the point at which RTTY equipment should be classified as portable (eg, when it takes 20 people to carry it, or 10, 6, 4, or whatever you think is right).

Bart also announced that in about two weeks a 121.5 MHz [aircraft emergency frequency] system should be operating along with the 16/76 repeater which will put a signal on the repeater after a 121.5 signal has been received at the repeater for ten minutes. (continues on next page.)

P P R A A D I R E C T O R S

PRESIDENT	Mike Stansberry KØTER, 2732 E. Monument St.	596-1342 475-8650
VICE-PRESIDENT	Lyle Rockefeller WBØMDI, 409 Locust Dr.	599-7890
SECRETARY	Dave Allen WBØTAQ, 821 N. Cascade	471-0642
TREASURER	Dick Schlueter WBØPNX, Box 38 Grn Mt Falls 80819	684-2153
Board Member	Bart Bartol WØPT, 2718 N. Prospect	473-8018
Board Member	Dick Cohen K6DBR/Ø, 4965 Brown Valley Lane	599-5645
Board Member	Dean Jaynes WAØPJH, 116 N. 24th St.	634-7097
Board Member	Ray Uberecken WØWYZ, 318 Kenwood Cir.	471-7134

ZERO BEAT is published in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., Colorado Springs, Colorado. Permission is granted to reprint articles or excerpts thereof provided full credit is given.

<u>Editor:</u>	<u>Business Manager:</u>	<u>Distribution:</u>
Dave Allen WBØTAQ	Ed Pompea KØZPG	Louis Preller WØPCZ
821 N. Cascade	2111 Trent Ave.	4170 Hemlock
Co Spgs, CO 80903	Co Spgs, CO 80909	Co Spgs, CO 80917
471-0642	635-7554	591-1723



The PPRAA meets at 7:30 pm on the second Wednesday of each month in the Security Savings and Loan Building, East Platte at Union Blvd.

MINUTES con'd: Bart also announced his plans for the Christmas dinner at the Pete Field NCO Club--see page one. These were accepted by the Club, as was a motion to cancel the regular meeting for December, which would have been on the same night.

Mike KØTER announced that the board will be meeting the first Monday of each month, and hopes to conduct most of the club's business then instead of at the regular club meetings. Mike listed the various club committees --see page 5.

The repeaters were reported on by Larry Rice WBØKDN, that 16/76 has a brand new transmitter, and that the tone decoder kits should be out soon.

Chuck Myers WAØZCS reported on his involvement in the Colorado Council of Amateur Radio Clubs as our representative--that our membership dues are due in January (20¢ per member per year). This is the group who sponsored the ARRL National Convention in Denver last summer. They also coordinate frequencies for repeaters in the state, maintain a legal fund, and keep a list of stolen equipment that is well known in many parts of the country.

Chuck Waltman WAØNBZ and I reported on the novice classes, that people are working hard and several writtens have been taken with more on the way.

Smitty WBØLTV reported that starting December we will have two hidden transmitter hunts each month, on the second and fourth Sundays--one really nasty, hard one, and one not so bad. Anyone is invited to come along to the starting point (Channel Cat on Templeton Gap near Academy) at 1:00 pm and just ride along and help out if they don't have equipment.

The treasurer's report was given (privately) as \$263.21 on September 30 and \$202.43 on October 29, due mostly to Zero Beat printing.

Ray Uberecken WØWYZ, Chas WBØOCJ, and Myron gave a presentation on their experiments and work with fast scan TV on 440 MHz and demonstrated it to us. Lest you think it expensive, Chas says he has only about \$125 tied up in his rig, including homebrew transmitter.

The meeting was adjourned at 9:50 pm.

Dave Allen WBØTAQ, Secretary

THE BOARD WILL MEET on December 6 at Lyle Rockefeller's WBØMDI. Any unarmed persons are welcome to attend. Time will be 7:30 pm.

SERVCOMM: An emergency communications general meeting was held at the First Bank the night of November 17 with EC Rick Simpson KØUZP presiding. The group name SERVCOMM was accepted and representatives of several organizations came to hear about what CERVCOMM will have to offer. Teller County was highly represented, including Civil Defense, Woodland Park Search and Rescue, and Gold Camp Search and Rescue. The need for communications for these people was poured out from their own mouths. El Paso County Search and Rescue plus Civil Defense (or Preparedness, as they now say it) also attended. The first tone alert system was demonstrated and Larry Rice WBØKDN explained that the technical committee is still putting together a kit which hopefully will be available for \$10 for every ham who wants to build one. A secondary tone, which is the "operator-ø" on tone pads, could be used by any ham who needs help on the road or other similar fixes. The primary tone is 1633 kHz or the second button on the fourth row on 16 button pads. It would only be used in case of life and death emergencies. [Either tone must be held for 10 seconds to activate the decoders.] Two meter rigs with decoders would "come alive" with these tones hooked between a power source and speaker.

It was also noted a low db wailing signal might eventually be heard on repeaters picking up a signal from downed aircraft. EC Rick Simpson said another meeting will be held, but at press time a definite time had not been set.

73 ES Happy Holidays.

Lyle Rockefeller, WBØMDI

Repeater News: 11-24--the 16/76 repeater receiver developed a problem. 11-25--It was checked out by Clyde Still and found to have a bad oscillator tube and it was replaced and back on the air about noon 11-26. The 37/97 machine is down in power but still operating. No one knows why it's down in power. We are unable to get to the site, and probably will be unable for a good deal of time.

Larry Rice WBØKDN

CLASS REPORT: I'd like to just say WOW! But since that wouldn't be too informative, I'll add that 18 novice writtens have been taken and sent in, and we are waiting for two more writtens to come. They have been taking between eight and 15 days to come, and licenses are coming in four weeks. Not bad, FCC. And congratulations to the folks, who have put in a lot of work, and have worked me pretty hard trying to keep up with them. By the way, these are NOT JUST NOVICE CLASSES. The folks are interested in more than that and are presently pushing me for 10 and 13 wpm (and I can't really copy more than 8). So if you or anyone you know is interested in tech, general, advanced, or whatever, then come, cuz that's where we're headed. Code classes are on Tuesday nights, North Jr High, 612 E. Yampa, 7:30-9:30. Theory classes are on Thursday nights, same place and time. With the new year, we'll be starting from the beginning again, so nobody's got any excuses, see?

Dave Allen WBØTAQ

WALKER ELECTRONICS

2838 N. Prospect - Colo. Spgs.

Phone 636-1661

WHOLESALE ELECTRONICS TUBES ANTENNAS TEST EQUIPMENT

AUTHORIZED **SYLVANIA** DISTRIBUTOR



AUTHORIZED GENERAL ELECTRIC DISTRIBUTOR

WHAT YOU ALWAYS WANTED TO KNOW ABOUT-----Mike Stansberry KØTER-----BUT WERE AFRAID TO ASK: [And don't laugh--I hope to make this a regular column and you may be next.] Mike is presently engaged in crowding himself out of his basement. A Collins R-388, Heath SB-303 and 401, Ranger 2, and homebrew pair of 4-400Z's was not enough. Oh, no. He had to go and bring home a Kleinschmidt TT4A page printer and TT76B typing reperf machine and turn himself into a RTTY operator. But at least it keeps him off the streets--he hasn't found a way out of the basement yet, and if he doesn't by tomorrow I think I'll see if the fire department can help him out. There may as well be a fire, with all those tubes going and 60 ma loops running all over the place.

But half-seriously, Mike does actually manage to get a pretty decent signal all the way from his basement to the top of his 55-foot tower (which I will have to climb someday because I hear the view is good). There he has a two-element Hi-Gain beam and vees for 40 and 80, which is where he spends a good deal of time with us traffic types on CW. (By the way, don't tell Mike you can copy code at 25 wpm or he might send you something at 20 just to see.)

Mike is now an extra, after starting as a conditional (because he lived more than 75 miles from Wichita in 1959). He operated three or four months until he joined the people who've joined the Army and was off the air until about four years ago, when he got the Collins and a DX-100 and used to work 160 meters around town--the two meters of that period. And just before Field Day last summer, after waiting most of a year, the FCC sent his old call KØTER back to him.

As energetic as Mike can be when he gets a soldering iron in his hand, it's hard to believe he has worked in the same TV repair shop for the whole ten years he's lived in Colorado Springs. I don't think I should remind him

I've learned a lot from Mike. He tutored me at CW traffic nets, including some of the real thing, so that when I got my license last July my first time on the air was running his statewide net. And he's the type of guy who is conscientious in his work and operating, and an example to the rest of us. And now I'm learning all about marks, spaces, RTTY demodulators, and brag tapes. If he gets into too much more, I'll have to find me some dumber friends. Thanks, Mike.

Dave TAQ

WANTED: Programs for microprocessors--basic or machine language. Also video generator board for a microprocessor. Larry Rice, WBØKDN.

WANTED: Wilson HT. Lyle WBØMDI, 599-7890.

FOR SALE: Regency HR-2B 2-meter transceiver, crystals in 7 of 12 channels, very reasonable. Warren, WBØGTL, 495-2783.

FOR SALE: Heath HW-7 with power supply and 40 watt amp. Steve Devries WBØTLP, 598-5021.

FOR SALE: Realistic DX-150 with CW filter and Heath TX-1, \$200, Bud WBØTIB.



**CW ELECTRONICS
SALES COMPANY**

John WAØADV
Alan WBØBHE
Tim WBØJTV
Bob WBØNNI

DISTRIBUTORS OF ELECTRONIC EQUIPMENT

THE ROCKY MOUNTAIN AREA'S LEADING
SUPPLIER OF AMATEUR RADIO EQUIPMENT

**Authorized Factory
Service on all
Major Brands**

STORE HOURS
Monday - Friday: 8:30 am - 6 pm
Saturday: 8:30 am - 1:00 pm

1401 BLAKE ST., Corner of SPEER BLVD & BLAKE ST
DENVER, COLO. 80202 PHONE 893-5525

FREE PARKING ACROSS STREET FROM STORE

FOR SALE: Eico 753, 150 watt tranceiver, 80-20 meters, with latest VFO mod, books, AC and DC power supplies. David WBØRRU, 597-6097.

OUR CLUB'S STANDING COMMITTEES are as follows, along with those responsible for them. If you have any interests in these areas, contact somebody about them. The committees are made up of us and can't function without us. Besides, if you have the time (and even if you don't) you can have a blast at many of the activities, as I have had teaching code, for example.

Nominating--Board

Program--Board (to get a program for meetings--we've been planning several months in advance--any ideas?)

Interference--Lou Preller WØPCZ

Activities--Board (Kinda like Program but kinda not)

Publicity--Lyle Rockefeller WBØMDI and Dave Allen WBØTAQ

Membership--Dave Allen and Lyle Rockefeller

Auditing--Ron McKenzie WBØSHR

Technical, Instruction--Dave Allen, Ray Uberecken WØWYZ, and Chuck Waltman, WAØNBZ

Special Committees--

RACES--Dean Jaynes WAØPJH

NTS--Mike KØTER and Mory WAØYNP

Field Day--Mike KØTER, Dick Schlueter WBØPNX, Dave WBØTAQ, Chuck WAØNBZ, and Bob Poirier ABØQOT

Club Custodian--Mike KØTER

YL--(The status of this committee will be informally decided at the Christmas dinner.)

Refreshments--Lou Preller WØPCZ, who needs some help soon or we might start going hungry at meetings--perish the thought.

AND SINCE IT'S ALMOST CHRISTMAS, see if this maybe modulates your carrier--
 "...The true light that enlightens every man was coming into the world. He was in the world, and the world was made through him, yet the world knew him not. He came to his own home, and his own people received him not. But to all who received him, who believed in his name, he gave power to become children of God; who were born, not of blood nor of the will of the flesh nor of the will of man, but of God.

"And the Word became flesh and dwelt among us..."

[Written awhile back by a guy named John, who knew a lot.]

TO "PORT-Ø" OR NOT TO "PORT-Ø"--SIGH:

PORTABLE AND MOBILE DESIGNATION use ends officially on Friday, November 26, a Thanksgiving present from FCC.

HR REPORT Nov 19, 1976

FCC'S DROPPING NOTIFICATION NEED for extended portable or mobile operation still has some hookers. You'll still need to have an "active" mailing address so you can answer possible FCC citations or advisories within the required 10 day period.

HR REPORT Nov 12, 1976

PORTABLE AND MOBILE DESIGNATIONS will still be required of participants in ARRL sponsored contests despite the FCC's rules change effective November 26. Though portable and mobile designations are more important so some contests than to others, it's likely the rule will be across the board for League events.

HR REPORT Nov 12, 1976



21 NORTH UNION
COLORADO SPRINGS, COLORADO 80909
(303) 633-5561

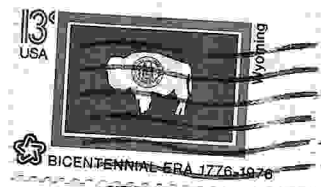
Ø BEAT

COLO. SPRINGS,
COLORADO

D E C E M B E R

1 9 7 6

ZERO BEAT
Louis Preller
4170 Hemlock
Colorado Springs, CO. 80917



FIRST CLASS MAIL

D & M ELECTRONIC SUPPLY

715 N. Weber Street
P.O. Box 1777, Colorado Springs, Colo 80901
Phone: 633-4666

Wholesale Radio, TV, Parts, Tubes, Batteries
Industrial Electronics, Test Equipment

Come in and see
our new Calectro
Experimenter Displays

AUTHORIZED

RCA

DISTRIBUTOR

DEAN JAYNES WAØPJH
9650 VOLLMER RD
COLO SPGS, CO 80908